

## 30743 Sulfuric acid Puriss. p.a., for det. of Hg, ACS Reagent, Reag. ISO, Reag. Ph. Eur., 95.0-97.0%

### Specyfikacja:

Property	Value
APPEARANCE (COLOR)	Colorless
BARIUM (ICP)	0 - 0.05 mg/kg
BERYLLIUM (ICP)	0 - 0.01 mg/kg
BISMUTH (ICP)	0 - 0.05 mg/kg
CALCIUM (ICP)	0 - 0.2 mg/kg
CADMIUM (ICP)	0 - 0.02 mg/kg
COBALT (ICP)	0 - 0.01 mg/kg
CHROMIUM (ICP)	0 - 0.05 mg/kg
COPPER (ICP)	0 - 0.01 mg/kg
IRON (ICP)	0 - 0.1 mg/kg
GERMANIUM (ICP)	0 - 0.05 mg/kg
APPEARANCE (FORM)	Liquid
POTASSIUM (ICP)	0 - 0.1 mg/kg
LITHIUM (ICP)	0 - 0.01 mg/kg
MAGNESIUM (ICP)	0 - 0.05 mg/kg
MANGANESE (ICP)	0 - 0.01 mg/kg
MOLYBDENUM (ICP)	0 - 0.02 mg/kg
SODIUM (ICP)	0 - 0.5 mg/kg
NICKEL (ICP)	0 - 0.02 mg/kg
LEAD (ICP)	0 - 0.02 mg/kg
STRONTIUM (ICP)	0 - 0.02 mg/kg
TITANIUM (ICP)	0 - 0.1 mg/kg
COLOR (IN APHA)	0 - 10 APHA
THALLIUM (ICP)	0 - 0.05 mg/kg
VANADIUM (ICP)	0 - 0.01 mg/kg
ZINC (ICP)	0 - 0.05 mg/kg
ZIRCONIUM (ICP)	0 - 0.1 mg/kg
METAL TRACE ANALYSIS (ICP-MS)	CORRESPONDS TO REQUIREMENTS
ARSENIC TRACES (MHS-AAS)	0 - 0.01 mg/kg
MERCURY TRACES (AFS)	0 - 5 ug/kg
CHLORIDE (CL)	0 - 0.1 mg/kg
NITRATE (NO <sub>3</sub> )	0 - 0.2 mg/kg
PHOSPHATE (PO <sub>4</sub> )	0 - 0.5 mg/kg
TITRATION (T) NAOH 1M	95 - 97 %
VARIOUS GUARANTEE LABEL TEST	Residue on ignition <= 5 MG/KG
ION CHROMATOGRAPHY (NH <sub>4</sub> <sup>+</sup> )	0 - 2 mg/kg
TRACE ANALYSIS (ADDITIONAL TESTS)	KMnO <sub>4</sub> red.matter (as SO <sub>2</sub> ) <= 0.0002 %
ACS SPECIFICATIONS	CORRESPONDS TO REQUIREMENTS
REMARKS ON ACS	Heavy metals (as Pb) <= 1 mg/kg
SILVER (ICP)	0 - 0.02 mg/kg
ALUMINIUM (ICP)	0 - 0.05 mg/kg

## Właściwości fizyczne:

Property	Value
Vapor pressure	1 mmHg ( 146 °C)
Cation traces	Cr: ≤0.05 mg/kg
Anion traces	nitrate (NO <sub>3</sub> <sup>-</sup> ): ≤0.2 ppm
Grade	ACS reagent, reag. ISO, reag. Ph. Eur.
Impurities	≤2 ppm KMnO <sub>4</sub> red. matter (as O)
Ign. residue	≤5 ppm
Description	Nominally 95-98% H <sub>2</sub> SO <sub>4</sub>
Bp	~290 °C(lit.)
Vapor density	<0.3 (25 °C, vs air)
Assay	95.0-97.0%
Density	1.840 g/cm <sup>3</sup>
Boiling point	310 °C
Freezing point	-14 - -10 °C

## Informacje dot. bezpieczeństwa:

Property	Value
Flashpoint	160 °C
Hazard Class	8
Package Group	II
UN ID	1830